JUN 2 3 2014

K140809

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DING HWA CO., LTD.

漢 弓 股 份 有 限 公 司

510(k) Summary

Cliq Aspirator Model DV-300

March 31, 2014

1. Applicant Identification

Ding Hwa Co., Ltd.

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Dacun, Taiwan 51542

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Establishment Registration: 3006789357

2. Contact Person

Janna Babson

Regulatory Affairs Associate Telephone: 1-678-708-4773

Fax: 1-678-567-8218

Email: Janna.Babson@EndoChoice.com

3. Device Name for Which Clearance is Sought

Trade Name:

Cliq Aspirator, model DV-300

Common/Usual Name: Aspirator

Classification Name:

Powered Suction Pump

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4. Device Classification

Product Code:

JCX.

Regulation Number:

878,4780

Class:

П

Review Panel:

General and Plastic Surgery

5. Intended Use:

The device is intended to be used for aspiration during flexible endoscopy.

6. Device Description

The Cliq Aspirator model DV-300 is an AC-powered high-vacuum / low-flow suction unit used for endoscopic aspiration. The DV-300 creates a negative pressure (vacuum) that draws fluids through disposable tubing, and into a collection container. The fluids are trapped within the collection container for proper disposal. The device is comprised of a maintenance-free pump unit; power cord, on/off switch, pressure relief valve, pressure adjustment knob, pressure gauge, microbial filter, and intermediate tubing.

The Cliq Aspirator model DV-300 requires 110-120 V and 60 Hz. It has Class II with Type BF applied part protection against electric shock. The DV-300 suction pump operates via a piston pump type, and has a maximum vacuum pressure of 620 mm Hg. The pump produces a flow rate of up to 18 Liters per minute.

7. Substantial Equivalence

The Cliq Aspirator model DV-300 is substantially equivalent to the legally marketed suction pump model KV-5 (K011725) manufactured by Olympus. Both the Clip Aspirator model DV-300 and the Olympus Suction Pump model KV-5 are intended to be used for aspiration during. flexible endoscopy.

Substantial Equivalence Conclusion:

The devices are equivalent in terms of intended use, operating principle, technology, energy used, packaging, and materials. A table comparing specifications for the Cliq Aspirator model DV-300 and Olympus Suction Pump model KV-5 is provided below.

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Substantial Equivalence Comparison Table:

Comparison Table				
	Cliq Aspirator Model DV-300	Olympus Suction Pump Model KV-5	Substantially Equivalent?	
510k Number	Unknown	K011725	NÃ.	
Trade Name	Cliq Aspirator	Suction Pump NA		
Model Number	DV-300	KV-5	NA.	
Manufacturer	Ding Hwa Co., Ltd.	Olympus	NA NA	
Device Classification	878,4780 Powered Suction Pump Class II, Product Code JCX	878.4780 Rowered Suction Pump Class II, Product Code JCX	Equivalent	
The device is intended to be used for aspiration during flexible endoscopy.		For aspiration during flexible endoscopy and general or surgical suction in a healthcare establishment. It is not intended for thoracic, domiciliary, field or transport use.	Equivalent	

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Comparison Table					
	Cliq Aspirator Model DV-300	Olympus Suction Pump Model KV-5	Substantially Equivalent?		
Performance	EN IEC 606011	EN IEC 606011	Equivalent		
Standards	EN IEC 6060112	(220240V			
	EN ISO100791	model)			
		EN JEC			
		6060112	:		
	-	EN ISO100791			
	,	UL 26011			
		CAN/CSA Std. No. C22.2			
		No.601,1M90			
Packaging	The device is packaged in a foam-secured carton.	The device is packaged in a foam-secured carton.	Equivalent		
Technological and Syste	m Specifications				
Electrical requirements	110120 y, 60 Hz	100120 V, 50/60 Hz	Equivalent		
Protection against electric shock	Class II with Type BF Applied part	Class Lwith Type BF applied part			
Maximum Vacuum pressure	620 mm Hg	638 mm Hg	me en rivolgamento como como como como como como como co		
Vacuum Rump Type	Piston	Piston			

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Comparison Table					
Cliq Aspirator Model DV-300	Olympus Suction Pump Model KV-5	Substantially Equivalent?			
Up to 18 L/min	Up to 20 L/min	<u> </u>			
53 dbA	Not known				
3.5 kg	12.7 kg	_			
30 x 16.5 x 19 cm	31 x 25.5 x 22 cm	-			
Temperature: 0 – 40 °C;	Temperature: 10 – 40 °C	-			
Humidity: 0 – 90 %	Humidity: 0 – 95 %				
Atm. Pressure: 70 - 106	Atm. Pressure: 70 – 106				
KPa KPa	<u>k</u> Pa				
Temperature: -20 – 50 °C	Temperature: -40 - 70 °C	-			
Humidity: 0 – 95 %	Humidity: 0 – 95 %				
Atm. Pressure: 50 – 106	Atm. Pressure: 23.5 – 106				
kPa	kPa				
<u> </u>		<u> </u>			
Microbial, hydrophobic	Microbial, hydrophobic	Equivalent			
1.8 m	2·m				
250 mm	900 mm				
yes	yes				
1.5 L or 2.4 L	2 liter (one liter optional)				
	Cliq Aspirator Model DV-300 Up to 18 L/min 53 dbA 3.5 kg 30 x 16.5 x 19 cm Temperature: 0 - 40 °C; Humidity: 0 - 90 % Atm. Pressure: 70 - 106 kPa Temperature: -20 - 50 °C Humidity: 0 - 95 % Atm. Pressure: 50 - 106 kPa Microbial, hydrophobic 1.8 m 250 mm yes	Cliq Aspirator Model DV-300 Up to 18 L/min Up to 20 L/min S3 dbA Not known 3.5 kg 12.7 kg 30 x 16.5 x 19 cm Temperature: 0 – 40 °C; Humidity: 0 – 90 % Atm. Pressure: 70 – 106 kPa Temperature: -20 – 50 °C Humidity: 0 – 95 % Atm. Pressure: 50 – 106 kPa Microbial, hydrophobic 1.8 m 250 mm 900 mm yes			

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8. Performance Data

Testing includes:

- Electrically powered suction equipment safety requirements per EN ISO 10079-1:2009
 (See Section 16 for detailed report)
- Electromagnetic Compatibility per IEC/EN 60601-1-2:2007 (3rd Ed.) (See Section 16 for detailed report)
- General basic safety and essential performance per IEC 60601-1 (See Section 16 for detailed report)
- Performance verification testing (See Section 18 for detailed protocol and report)

Tests Conclusion:

The Cliq Aspirator model DV-300 met all predefined criteria, and passed all tests for
performance, electrical safety, and electromagnetic compatibility. The tests verified
substantial equivalence to the Olympus Suction Pump model KV-5, and verified that the
Cliq Aspirator Model DV-300 performs similarly to the predicate device as indicated in
the Substantial Equivalence Comparison Table.

9. Conclusion:

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The Ding Hwa Cliq Aspirator Model DV-300 is substantially equivalent to the predicate device listed above.

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Food and Drug Administration 10903 New Hampshire Avenue Document Control Center – WQ66-G609 Silver Spring, MD 20993-0002

June 23, 2014

Ding Hwa Company, Ltd. % Ms. Janna Babson EndoChoice Incorporated 11810 Wills Road Alpharetta, Georgia 30549

Re: K140809

Trade/Device Name: Cliq Aspirator Model DV-300

Regulation Number: 21 CFR 878.4780
Regulation Name: Powered suction pump

Regulatory Class: Class II

Product Code: JCX
Dated: April 2, 2014
Received: April 3, 2014

Dear Ms. Babson:

We have reviewed your Section 510(k) premarket notification of intent to market the device referenced above and have determined the device is substantially equivalent (for the indications for use stated in the enclosure) to legally marketed predicate devices marketed in interstate commerce prior to May 28, 1976, the enactment date of the Medical Device Amendments, or to devices that have been reclassified in accordance with the provisions of the Federal Food, Drug, and Cosmetic Act (Act) that do not require approval of a premarket approval application (PMA). You may, therefore, market the device, subject to the general controls provisions of the Act. The general controls provisions of the Act include requirements for annual registration, listing of devices, good manufacturing practice, labeling, and prohibitions against misbranding and adulteration. Please note: CDRH does not evaluate information related to contract liability warranties. We remind you; however, that device labeling must be truthful and not misleading.

If your device is classified (see above) into either class II (Special Controls) or class III (PMA), it may be subject to additional controls. Existing major regulations affecting your device can be found in the Code of Federal Regulations, Title 21, Parts 800 to 898. In addition, FDA may publish further announcements concerning your device in the <u>Federal Register</u>.

Please be advised that FDA's issuance of a substantial equivalence determination does not mean that FDA has made a determination that your device complies with other requirements of the Act or any Federal statutes and regulations administered by other Federal agencies. You must comply with all the Act's requirements, including, but not limited to: registration and listing (21 CFR Part 807); labeling (21 CFR Part 801); medical device reporting (reporting of medical device-related adverse events) (21 CFR 803); good manufacturing practice requirements as set

forth in the quality systems (QS) regulation (21 CFR Part 820); and if applicable, the electronic product radiation control provisions (Sections 531-542 of the Act); 21 CFR 1000-1050.

If you desire specific advice for your device on our labeling regulation (21 CFR Part 801), please contact the Division of Industry and Consumer Education at its toll-free number (800) 638-2041 or (301) 796-7100 or at its Internet address

http://www.fda.gov/MedicalDevices/ResourcesforYou/Industry/default.htm. Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21CFR Part 807.97). For questions regarding the reporting of adverse events under the MDR regulation (21 CFR Part 803), please go to

http://www.fda.gov/MedicalDevices/Safety/ReportaProblem/default,htm for the CDRH's Office of Surveillance and Biometrics/Division of Postmarket Surveillance.

You may obtain other general information on your responsibilities under the Act from the Division of Industry and Consumer Education at its toll-free number (800) 638-2041 or (301) 796-7100 or at its Internet address

http://www.fda.gov/MedicalDevices/ResourcesforYou/Industry/default.htm.

Sincerely yours,

David Krause -S

for Binita S. Ashar, M.D., M.B.A., F.A.C.S.
Director
Division of Surgical Devices
Office of Device Evaluation
Center for Devices and
Radiological Health

Enclosure

DEPARTMENT OF HEALTH AND HUMAN SERVICES Food and Drug Administration

Indications for Use

Form Approved: OMB No. 0910-0120 Expiration Date: January 31, 2017 See PRA Statement below

	Į.	
510(k) Number (if known)		
K140809		
Device Name		
Cliq Aspirator model DV-300		
		•
Indications for Use (Describe)		
The device is intended to be weed for an institution in the contract.		
The device is intended to be used for aspiration during flexibl	e endoscopy.	
·	•	
•		
Type of Use (Select one or both, as applicable)		
The or age (gelect one of boar's as abblicable)		
Prescription Use (Part 21 CFR 801 Subpart D)	Over-The Country	Use (21 CFR 801 Subpart C)
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